

Date: Mon, 3 May 93 15:23:18 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #532  
To: Info-Hams

Info-Hams Digest                      Mon, 3 May 93                      Volume 93 : Issue 532

Today's Topics:

                    AM Modulation Question  
                    AMP is RADIO?  
                    Another AM Question  
                    ARRL BULLETIN 49 ARLB049 (2 msgs)  
                    Debug help Kenwood TR-2500  
                    Hams going to CICC ? / CQ San Diego  
                    Keplerian Bulletin 18 ARLK018  
                    MAGNETIC Loop ANTENNA  
                    no-code defense (3 msgs)  
                    Sueing Jammers (Was: Re: "Busting" Jammers)  
                    Weather Service spotter

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: Sun, 2 May 1993 19:22:31 CST  
From: usc!zaphod.mps.ohio-state.edu!ub!news.kei.com!news.oc.com!utacfd.uta.edu!  
rwsys!ricksys!news@network.UCSD.EDU  
Subject: AM Modulation Question  
To: info-hams@ucsd.edu

rkarlqu@scd.hp.com (Richard Karlquist) writes:

> Scott Sminkey - Sustaining Eng Group (sas@opus.xyplex.COM) wrote:  
> :  
> : I was interested in trying to build a vestigial sideband rig for  
> : 75m AM while in college. My roommate Steve WA1QIX (now KA1SI) was

> : an expert on everything about AM and explained that a vestigial  
> : sideband signal (carrier plus one sideband with the other sideband  
> : not completely eliminated but way down) cannot be generated in the  
> : final amp (well, not very easily anyway...). He explained that a  
>  
> : I guess that scheme isn't used anymore. I know that broadcast video  
> : signals are vestigial sideband. Does anyone know what form of  
> : amplification is used today in that application?  
> :  
> : 73 de Scott W01G  
>  
> I am fairly certain that all TV broadcast transmitters, even UHF,  
> do exactly what you said can't be done (easily): they have cavity  
> filters at the output frequency between the final amplifier and the  
> antenna. They not only shape the signal into vestigial sideband but  
> also act as a diplexer between the video and audio transmitters. Hence  
> they are called "filter-plexers". This is according to a friend who  
> worked at a UHF TV station 25 years ago.  
>

What about CHU the time station in Canada? It transmits USB with the  
Carrier "reinserted" as it was explained in one article I read.  
There are also some Shortwave Broadcasters that transmit USB with the  
Carrier, is that done the same way?

--

Internet(MX): rick@ricksys.lonestar.org

If I bounce (the maps have errors that I have no control over) then use

bo836@cleveland.freenet.edu or ah053@yfn.ysu.edu

BITNET: bo836@cleveland.freenet.edu@cunyvms or ah053@yfn.ysu.edu@ysub

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Date: 3 May 1993 16:04:23 GMT

From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!ira.uka.de!

Germany.EU.net!Informatik.Uni-Dortmund.DE!fifi!lovric@network.UCSD.EDU

Subject: AMP is RADIO?

To: info-hams@ucsd.edu

first: I don't know if i'm posting to the right newsgroup.

second: I'm no radio or electronic wizzard.

Ok here's the question:

I have a guitar amp for practicing at home, but there is one problem:

Instead of my guitar I hear radio, too!

In the evening it seems to get even worse, so that I can't concentrate on practicing. Is there a simple solution to the problem (were does it come from?),  
or should I burn my amp (everything else works fine)?

-----  
Date: 3 May 1993 17:39:01 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!noc.near.net!news.bbn.com!levin@network.UCSD.EDU  
Subject: Another AM Question  
To: info-hams@ucsd.edu

mhatter@hatter.uucp writes:

|Now, let's see if I have this right. You take an unmodulated carrier,  
|propagate it with directionality, and then rotate the signal about an axis  
|perpendicular to propagation axis. Next you board a speedy jet and  
|follow the maxima of the beam looking for the signal and modulation  
|components. Flying in this manner, do you see both the carrier and  
|some sidebands, or at least "sidebands".

|If so, we have a new phenomena. Change the scenario just a tad. Mount  
|your  
|receiver on an extension of the x-element beam's boom and measure the  
|frequency received. If you have some other than just the carrier at the  
|frequency of the non-rotating signal, then a few texts will have to be  
|rewritten.

I don't think so. I read it differently.

The second experiment is to have the plane flying (really fast!)  
around the antenna, which is now fixed. The receiver should see the  
same thing thing either way.

/J

-----  
Date: 3 May 93 15:30:25 GMT  
From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!mstar!n8emr!  
bulletin@network.UCSD.EDU  
Subject: ARRL BULLETIN 49 ARLB049  
To: info-hams@ucsd.edu

=====  
| Automatic relayed from packet radio via |  
| N8EMR's Ham BBS, 614-895-2553 |  
=====

ZCZC AG90  
QST DE W1AW  
ARRL BULLETIN 49 ARLB049  
FROM ARRL HEADQUARTERS  
NEWINGTON CT APRIL 30, 1993  
TO ALL RADIO AMATEURS

EFFECTIVE APRIL 26 THE FCC HAS BANNED THE IMPORTATION AND SALE OF  
RADIO SCANNERS CAPABLE OF RECEIVING CELLULAR TELEPHONE TRANSMISSIONS  
(IN ET DOCKET 93-1).

WHILE THE FCC DENIED AN ARRL REQUEST FOR SPECIFIC WORDING THAT BONA  
FIDE AMATEUR EQUIPMENT BE EXEMPTED FROM THE NEW RULES, THE  
COMMISSION DID AGREE TO MODIFY ITS PROPOSED RULE ON CONVERTERS SO  
THAT IT APPLIES ONLY TO CONVERTERS ''DESIGNED OR MARKETED FOR USE  
WITH SCANNING RECEIVERS.''

THE NEW REGULATIONS CHANGE PARTS 2 AND 15 OF THE FCC RULES TO  
PROHIBIT THE MANUFACTURE OR IMPORTATION OF RADIO SCANNERS CAPABLE OF  
RECEIVING FREQUENCIES ALLOCATED TO THE DOMESTIC PUBLIC CELLULAR  
RADIO TELECOMMUNICATIONS SERVICE (PRESENTLY, 824-849 AND 869-984  
MHZ).

THE SPECIFIC WORDING SUGGESTED BY THE LEAGUE (AND NOT ADOPTED BY THE  
FCC) APPEARS IN MAY QST, PAGE 87. THE FCC IN DENYING THE LEAGUE'S  
REQUEST SAID THE RULE MODIFICATION ''WOULD NOT ADEQUATELY ENSURE THAT  
SUCH CONVERTERS WOULD NOT BE READILY AVAILABLE AND COMMONLY USED TO  
INTERCEPT CELLULAR COMMUNICATIONS.''

''HOWEVER,' ' THE FCC SAID, ''WE DO NOT BELIEVE IT APPROPRIATE TO  
RESTRICT CABLE TELEVISION CONVERTERS OR OTHER DEVICES THAT MIGHT BE  
ABLE TO RECEIVE CELLULAR TELEPHONE TRANSMISSIONS BUT WERE NOT  
DESIGNED FOR THAT PURPOSE.''

THE FCC'S NEW RULES, IN ADDITION TO THE ANTICIPATED BANNING OF  
SCANNERS CAPABLE OF TUNING CELLULAR TELEPHONE FREQUENCIES (OR OF  
BEING EASILY MODIFIED TO DO SO), ALSO PROHIBIT FREQUENCY CONVERTERS  
THAT EITHER CONVERT OR ARE EASILY MODIFIED TO CONVERT CELLULAR  
FREQUENCIES TO OTHER FREQUENCIES OUTSIDE THE CELLULAR BAND THAT ARE  
EASILY RECEIVED BY MOST SCANNERS.

IT IS POSSIBLE THAT COMMERCIAL MANUFACTURERS MAY FILE PETITIONS FOR  
RECONSIDERATION, PARTICULARLY FOR CLARIFICATION OF THE ''READILY  
MODIFIED'' DEFINITION.

NNNN

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Date: 3 May 93 15:30:25 GMT  
From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!mstar!n8emr!  
bulletin@network.UCSD.EDU  
Subject: ARRL BULLETIN 49 ARLB049  
To: info-hams@ucsd.edu

=====  
| Automatic relayed from packet radio via |  
| N8EMR's Ham BBS, 614-895-2553 |  
=====

ZCZC AG90  
QST DE W1AW  
ARRL BULLETIN 49 ARLB049  
FROM ARRL HEADQUARTERS NEWINGTON CT  
APRIL 30, 1993  
RELAYED BY KB8NW/OBS & BARF-80 BBS  
TO ALL RADIO AMATEURS

SB QST ARL ARLB049  
ARLB049 SCANNER BAN

EFFECTIVE APRIL 26 THE FCC HAS BANNED THE IMPORTATION AND SALE OF  
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FIDE AMATEUR EQUIPMENT BE EXEMPTED FROM THE NEW RULES, THE  
COMMISSION DID AGREE TO MODIFY ITS PROPOSED RULE ON CONVERTERS SO  
THAT IT APPLIES ONLY TO CONVERTERS ''DESIGNED OR MARKETING FOR USE  
WITH SCANNING RECEIVERS.''

THE NEW REGULATIONS CHANGE PARTS 2 AND 15 OF THE FCC RULES TO  
PROHIBIT THE MANUFACTURE OR IMPORTATION OF RADIO SCANNERS CAPABLE OF  
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SUCH CONVERTERS WOULD NOT BE READILY AVAILABLE AND COMMONLY USED TO  
INTERCEPT CELLULAR COMMUNICATIONS.''

''HOWEVER,' 'THE FCC SAID, ''WE DO NOT BELIEVE IT APPROPRIATE TO  
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ABLE TO RECEIVE CELLULAR TELEPHONE TRANSMISSIONS BUT WERE NOT

DESIGNED FOR THAT PURPOSE.''

THE FCC'S NEW RULES, IN ADDITION TO THE ANTICIPATED BANNING OF SCANNERS CAPABLE OF TUNING CELLULAR TELEPHONE FREQUENCIES (OR OF BEING EASILY MODIFIED TO DO SO), ALSO PROHIBIT FREQUENCY CONVERTERS THAT EITHER CONVERT OR ARE EASILY MODIFIED TO CONVERT CELLULAR FREQUENCIES TO OTHER FREQUENCIES OUTSIDE THE CELLULAR BAND THAT ARE EASILY RECEIVED BY MOST SCANNERS.

IT IS POSSIBLE THAT COMMERCIAL MANUFACTURERS MAY FILE PETITIONS FOR RECONSIDERATION, PARTICULARLY FOR CLARIFICATION OF THE ''READILY MODIFIED'' DEFINITION.

NNNN

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Date: Mon, 3 May 93 17:27:31 GMT  
From: sequent!muncher.sequent.com!mjw@uunet.uu.net  
Subject: Debug help Kenwood TR-2500  
To: info-hams@ucsd.edu

I have a few questions if someone has the time to reply.

Can someone cross reference a transistor with Kenwood Part # 2SC2603(E) to a standard industry number? Also where can I find a cross reference list so I can do it myself?

Where can I find a schematic for this handheld 2m radio?

Thanks for the Help  
Michael Waugh  
KB7NRM

-----  
Date: 3 May 93 16:32:35 GMT  
From: ogicse!news.tek.com!tekgen!bruce@network.UCSD.EDU  
Subject: Hams going to CICC ? / CQ San Diego  
To: info-hams@ucsd.edu

Any hams going to Custom Integrated Circuits Conference in San Diego May 9 to May 13 ?

If so, maybe there is a 2mtr repeater there we can use for ragchewing. If anyone from San Diego reads this maybe you can advise which machine would be best?

I'll be there, how about you?

Bruce Cheney NI7M

-----  
Date: 3 May 93 15:30:25 GMT  
From: ogicse!uwm.edu!cs.utexas.edu!zaphod.mps.ohio-state.edu!mstar!n8emr!  
bulletin@network.UCSD.EDU  
Subject: Keplerian Bulletin 18 ARLK018  
To: info-hams@ucsd.edu

=====  
| Automatic relayed from packet radio via |  
| N8EMR's Ham BBS, 614-895-2553 |  
=====

ZCZC SK30  
QST de W1AW  
Keplerian Bulletin 18 ARLK018  
>From ARRL Headquarters  
Newington, CT May 1, 1993  
To all radio amateurs

SB KEP ARL ARLK018  
ARLK018 Keplerian data

Thanks to NASA, AMSAT and N3FKV for the following Keplerian data.

Decode 2-line elsets with the following key:  
1 AAAAAU 00 0 0 BBBBBB.BBBBBBBB .CCCCCCCC 00000-0 00000-0 0 DDDZ  
2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJKKKKKZ  
KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN  
G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

STS-55  
1 22640U 93027 A 93120.24999999 0.00044939 12819-3 0 128  
2 22640 28.4643 241.8868 0011265 284.7181 109.3644 15.91616537 580  
AO-10  
1 14129U 83058 B 93118.11475914 -.00000100 99999-4 0 9872  
2 14129 27.0715 28.2681 6014912 76.8439 340.0570 2.05881517 46262  
RS-10/11  
1 18129U 87054 A 93119.88948533 0.00000087 89554-4 0 6060  
2 18129 82.9210 274.3052 0013130 89.4383 270.8250 13.72315376293221  
UO-11  
1 14781U 84021 B 93120.07285750 0.00000409 73773-4 0 4128  
2 14781 97.8161 148.5957 0011978 145.4224 214.7778 14.68965367489655  
RS-12/13  
1 21089U 91007 A 93111.61252696 0.00000083 81623-4 0 3997

2 21089 82.9223 324.0792 0028556 200.3485 159.6531 13.74020349110750  
 A0-13  
 1 19216U 88051 B 93116.50909762 -.000000095 99999-4 0 5987  
 2 19216 57.7760 319.9836 7246452 313.7135 5.4992 2.09722646 5771  
 U0-14  
 1 20437U 90005 B 93117.26724026 0.000000134 59939-4 0 7433  
 2 20437 98.6166 202.1071 0011020 336.6422 23.4258 14.29763909170155  
 A0-16  
 1 20439U 90005 D 93115.24007829 0.000000149 65640-4 0 5526  
 2 20439 98.6221 200.9358 0011321 342.8328 17.2466 14.29823811169879  
 D0-17  
 1 20440U 90005 E 93114.18496752 0.000000163 70866-4 0 5541  
 2 20440 98.6243 200.0920 0011524 344.7427 15.3410 14.29958526169732  
 W0-18  
 1 20441U 90005 F 93112.26444196 0.000000190 81457-4 0 5564  
 2 20441 98.6235 198.2176 0012322 351.1639 8.9324 14.29939397169466  
 L0-19  
 1 20442U 90005 G 93113.73915075 0.000000148 64966-4 0 5533  
 2 20442 98.6244 199.8456 0012552 346.1511 13.9326 14.30028046169687  
 F0-20  
 1 20480U 90013 C 93116.63542355 0.000000015 63811-4 0 4443  
 2 20480 99.0491 342.5753 0540850 203.3160 154.2545 12.83219140150704  
 A0-21  
 1 21087U 91006 A 93119.93181948 0.000000085 82656-4 0 7485  
 2 21087 82.9386 88.5391 0035378 153.6673 206.6280 13.74516476112818  
 U0-22  
 1 21575U 91050 B 93119.22007906 0.000000163 62211-4 0 2521  
 2 21575 98.4760 196.1122 0008332 85.2439 274.9701 14.36816290 93636  
 K0-23  
 1 22077U 92052 B 93113.38302387 0.000000000 99999-4 0 996  
 2 22077 66.0774 78.9316 0007778 206.0375 154.0253 12.86277989 32796  
 Mir  
 1 16609U 86017 A 93119.78131709 0.00011583 15499-3 0 431  
 2 16609 51.6197 102.5833 0000467 172.5073 187.5905 15.58506776411581

Keplerian bulletins are transmitted twice weekly from W1AW.  
 The next scheduled transmission of these data will be Tuesday,  
 May 4, 1993, at 2230z on Baudot, AMTOR and ASCII.

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Date: Mon, 3 May 93 19:52:49 GMT  
 From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!ira.uka.de!  
 math.fu-berlin.de!ifmsun8.ifm.uni-hamburg.de!news.DKRZ-Hamburg.DE!smog.DKRZ-  
 Hamburg.DE!k202023@network.UCSD.EDU  
 Subject: MAGNETIC Loop ANTENNA  
 To: info-hams@ucsd.edu



Hallo,Freunde!

Wer hat praktische Erfahrungen mit magnetischen Loop-Antennen(z.B. AMA-6)?  
Insbesondere Polarisationswirkungen, Daempfung an Stahlbetonbauten und Ver-  
gleiche zu ueblichen Antennen (Lambda/2 -Dipol etc) mit Ausnutzung der  
elektrischen Feldkomponente.

Alles von Interesse

Danke und 73's

\*\*\*\*\*

Hello,worldwide,

I just start operating a semi-professional magnetic Loop-Antenna (AMA-6).  
(Freq : 6.9 - 25 Mc / Diameter : 80cm). Anyone with experience in such  
antennas?

Grateful to hear some infos,

Tks es 73"s

Clem Foerster

D K 6 X C

-----  
Date: 3 May 93 13:37:54

From: idacrd.ccr-p.ida.org!idacrd!n4hy@uunet.uu.net

Subject: no-code defense

To: info-hams@ucsd.edu

Tony writes:

>>And btw, if you happen to be a no-code and are offended by my  
>>attitude... well there are two words for you....

>>

>>...-. ...- -. -. - - - ...-. ...-

>>

^^^^

Erich replies:

>This just shows how inordinately ignorant, boorish, and  
>"red neckish" you. If your vocabulary is limited to what you

etc.

I agree with Erich. What's worse is that Tony can't even get his code right!

BMc

--

-----  
Robert W. McGwier | n4hy@ccr-p.ida.org  
Center for Communications Research | Interests: amateur radio, astronomy, golf  
Princeton, N.J. 08520 | Asst Scoutmaster Troop 5700, Hightstown  
-----

Date: 3 May 93 17:53:12 GMT  
From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!howland.reston.ans.net!  
noc.near.net!news.bbn.com!levin@network.UCSD.EDU  
Subject: no-code defense  
To: info-hams@ucsd.edu

little@nuts2u.enet.dec.com (nuts2u::little) writes:  
|Let me see if I understand this. Since I can't see the other person's  
|face, it is acceptable and normal for me to curse the other individual?

No, but it's legal.

Unlike on the radio.

-----  
Date: Mon, 3 May 93 17:19:50 GMT  
From: mnemosyne.cs.du.edu!nyx!jmaynard@uunet.uu.net  
Subject: no-code defense  
To: info-hams@ucsd.edu

In article <1993May3.015821.8373@nntpd2.cxo.dec.com> little@nuts2u.enet.dec.com  
(nuts2u::little) writes:  
>Let me see if I understand this. Since I can't see the other person's  
>face, it is acceptable and normal for me to curse the other individual?

On this new, different, evolving medium, yes, it is. You will not find this  
discussion in any other newsgroup (certainly none of the hundred or so I  
read). The net is \*fundamentally\* \*different\* from other forms of  
communication, and different conventions have evolved to fit.

>Funny, I don't remember that being a part of telephone, radio, writing, or  
>any other non face to face communication etiquette.

This is neither telephone, nor radio, nor writing. This is Usenet. It is  
different.

>Others on the net may not care about such  
>things, but I can assure you some do.

Why are those that care found only in this group? I submit it's because the folks here, experienced in one form of communications, try to apply the rules that are appropriate to that form of communication to others they then encounter, whether or not those are appropriate, or based on the same reasons. This is \*NOT\* ham radio. The rules are different.

>It's called respect for others. I  
>know that respect may not be in vogue right now or even politically  
>correct, but profanity hardly seems like an answer.

There are times when you have to use extreme measures to get a point across sufficiently strongly.

I've been involved in this same discussion over in .policy a few weeks ago, because I used a similar phrase to describe my true feelings about someone who bragged about jamming repeaters. I felt then, and feel now, that there was no other means available to me to convey the true depth of disgust and loathing I felt for that individual's actions. Nothing carries quite the same force as saying someone is a \*\*\*\*ing disgrace to ham radio, and that's not because I lack the vocabulary to express the feeling; rather, it's because everything else is simply a poor euphemism to hide strong feelings from those who cannot take them.

>I personally  
>disregard it as juvenile and indicative of a lousy argument. Grow up and  
>show some self control.

I chose my wording carefully and after thinking about it for a while. To call it "juvenile" or thoughtless or evidence of a lack of self-control is to deny that some folks can arrive at that decision in a rational, calm, considered fashion. I refuse to excise words from my vocabulary just because you might find them objectionable.

--

Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can  
jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.  
"If OS/2 is dead, then there are an awful lot of vocal ghosts calling us on  
the phone." -- Katy Ansardi of Indelible Blue (an OS/2 exclusively store)

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Date: Fri, 30 Apr 93 21:31:11 GMT  
From: usc!zaphod.mps.ohio-state.edu!saimiri.primate.wisc.edu!  
usenet.coe.montana.edu!netnews.nwnet.net!serval!wsuaix.csc.wsu.edu!  
i7994779@network.UCSD.EDU  
Subject: Sueing Jammers (Was: Re: "Busting" Jammers)  
To: info-hams@ucsd.edu

In article <C6B8sx.Cps@srigenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:  
>Rev. Michael P. Deignan (kd1hz@anomaly.sbs.com) wrote:

>

>: For instance, what would it take to sue someone who you can "prove" was  
>: jamming the repeater? What "evidence" would be necessary to "prove" your  
>: case in a civil court (since it is a preponderance of evidence and not  
>: beyond-a-reasonable-doubt)?

>

>I think the problem is that even if you prove that he was causing  
>malicious interference, you would collect little or no money. To be  
>awarded a judgement, you have to show a financial injury. Not being  
>able to talk on your favorite repeater wouldn't likely get you much  
>of an award.

>

>AL N1AL "Not a lawyer"

I think that you would be able to sue based n the fact that the jammer was  
interfering (sp?) with the duties of that repeater. You can say members of  
the repeater club pay X amount to use the atupatch, etc and the jammer was  
keeping them from using that service that they paid for. It a sense it was  
stealing! I am stretching this a bit since the rest of the repeater functions  
are free, but it can't hurt to try. Find a local lawyer who is a HAM and  
see what they have to say.

Pat at WSU  
i7994779@wsuaix.csc.wsu.edu

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Date: 3 May 93 14:20:09 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Weather Service spotter  
To: info-hams@ucsd.edu

Scott... I cannot find your original post... but wherever you are Cater's  
suggestion that you connect with your ARRL Section Emergency Coordinator is a  
valid one. It is our "job" to know what services are being provided via the  
ARES-types out there. look us up in the latest issue of QST... or even if you  
have to call the ARRL... or e-mail to lhurder@arrl.org will get you the info  
on who your section you need to contact.

The SKYWARN program is a great application of ham radio. We periodically will  
go on the road here in EMAS to train and promote SKYWARN spotting. It can be  
especially helpful even if one is commuting to and from work with a good  
repeater. The National Weather service needs the additional eyes and ears to  
supplement what their radar shows. Not sure what the "new" doppler radar will  
miss... but hopefully us hams can fill in the holes for them

73 for now.... c u on the shortwaves  
Terry Stader - KA8SCP  
ARRL EMAS Section Emergency Coordinator  
Eastern Massachusetts SKYWARN Coordinator  
America Online Ham Radio Club Host  
Internet: tstader@aol.com (files <28K) or  
tstader@attmail.com ( files >28K)  
KA8SCP@WA1PHY.#EMA.MA.USA.NOAM

-----  
Date: 3 May 93 20:42:52 GMT  
From: telesoft!garym@uunet.uu.net  
To: info-hams@ucsd.edu

References <1993Apr29.235021.10119@alsys.com>, <1993Apr30.154340.406@alsys.com>,  
<1993Apr30.2117  
Subject : STS-55 Element Set (93123.253)

STS-55  
1 22640U 93 27 A 93123.25305914 +.00042450 00000-0 11791-3 0 181  
2 22640 28.4600 219.3897 0013548 312.9549 46.9926 15.92061423 1076

Satellite: STS-55  
Catalog number: 22640  
Epoch time: 93123.25305914 (03 MAY 93 06:04:24.31 UTC)  
Element set: GSFC-018  
Inclination: 28.4600 deg  
RA of node: 219.3897 deg Space Shuttle Flight STS-55  
Eccentricity: 0.0013548 Keplerian Elements  
Arg of perigee: 312.9549 deg  
Mean anomaly: 46.9926 deg  
Mean motion: 15.92061423 rev/day Semi-major Axis: 6674.6472 Km  
Decay rate: 0.42E-03 rev/day\*2 Apogee Alt: 305.30 Km  
Epoch rev: 107 Perigee Alt: 287.22 Km

(for Shuttle Elements subscription info, email: listserv@alsys.com)

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Gary Morris KK6YB Internet: elements-request@alsys.com  
San Diego, CA, USA Phone: +1 619-457-2700

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Date: Mon, 3 May 93 21:50:39 GMT  
From: btree!bly@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <2BE36B87.3633@ics.uci.edu>, <LINNIG.93May2133945@m2000.dseg.ti.com>,  
<2BE4A10A.5706@ics.uci.edu>

Subject : Re: Sueing Jammers (Was: Re: "Busting" Jammers)

You can't bring a "normal" civil suit for something like jamming.  
Any suit brought in state or federal court dealing with RF will be rejected  
and you will be referred to the FCC for hearing by an Administrative Law  
Judge (ALJ). From there, it goes like this:

1. The FCC will hear civil disputes before an ALJ.
2. Appeal ALJ decision to FCC Appeal Board.
3. Appeal ALJ decision to DC district court.
4. Appeal to DC court of appeals.
5. Appeal to US Supreme Court.

The FCC ALJ can also issue temporary restraining orders (TRO) in civil cases.  
I believe there have been TROs issued in the ham bands (147.435 LA repeater  
as I recall). I will look for past cases in the WestLaw DB if anyone really  
cares.

And of course, malicious interference (911 or other) is a federal felony,  
not civil.

P.S. If going before an FCC ALJ, it helps to bring along a Admin law  
lawyer. Admin law is funky stuff!

-Roger Bly (ka6mwt)

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End of Info-Hams Digest V93 #532

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